Data Sheet
Fujitsu FUTRO S900 Thin Client

The Expandable Multi-talent

The individually configurable Fujitsu FUTRO S900 thin client has all the flexibility you need to optimize secure server-based computing and desktop virtualization. This simple, reliable yet powerful front-end device is easy to integrate and manage. It also offers expansion slots and unique connectivity options to maximize user convenience. Plus, its long lifecycle helps you minimize TCO.

Green technology
Your company's contribution to environmental protection
- A modern, environmentally conscious product concept - from development to recycling

Relaxed working
Quiet system for a pleasant working environment
- Flash memory and passive cooling concept

Energy efficiency
Saves energy and reduces CO2 emissions
- Integrated system concept with power-saving components

Manageability
Easy administration while reducing total cost of ownership
- Outstanding manageability solution

Backpack solution
Less space needed
- The FUTRO S900 can be mounted behind the screen

Technical details Components

Memory modules	1 GB (1 module(s) 1 GB) DDR3, 1066 MHz, PC3-8500, SO DIMM
	2 GB (1 module(s) 2 GB) DDR3, 1066 MHz, PC3-8500, SO DIMM
Graphics	NVIDIA® Quadro® NVS 300 LP, 512 MB
	LFH59/ 2x DVI-I adapter cable
	LFH59/ 2x DP adapter cable
	DP to DVI-D (single link) Adapter Cable
Hard disk drives (internal)	mSATA, 1 GB Flash drive
	mSATA, 2 GB Flash drive
	mSATA, 4 GB Flash drive
	mSATA, 8 GB Flash drive
	mSATA, 16 GB Flash drive
Interface add on cards/components (optional)	
	WLAN module
	Parallel Card (1 Port)
	Internal speaker
	Dual serial card PCIe x1
	2nd LAN/Power-over-Ethernet module
Base unit	FUTRO S900
Operating system and software (Linux)	
Operating system	eLux® RL - Embedded Linux
Functions	eLux® RL V3.8.0 or newer Adobe Flash Player 11 for Linux, V11.2.202.236-2 or newer Eterm 97801 terminal emulation, V3.1-1 or newer Mozilla Firefox Browser, V3.6.19.1-1 or newer RDP client, V1.7.1.2-4 or newer ICA client, V12.1.0-9 or newer VMware® View Client, V5.0.1.1-2 or newer (optional) (including support for PCoIP) RDPConnect, V3.0-1 or newer Updates and optional software packages are available at www.myelux.com
Manageability	Scout Enterprise, Flash memory management, Embedded operating system update and system monitoring, Managing devices by location, group or user, Individual operating system composition with ELIAS (only with eLux® RL)
VPN (Linux)	VPN client from Cisco (optional)
Operating system and software (Windows)	
Operating system	Windows® Embedded Standard 7 (WS7E) Windows® Embedded Standard 7 (WS7E multimedia)

Operating system and software (Windows)	
Functions	WS7E: Citrix® Receiver V 2.1.45663.0_12202010 or newer WS7E: Citrix® Online Plugin Full V 12.1.0.30_10282010 or newer WS7E: VMware® View Client V 4.6.0-366101 or newer (including support for PCoIP) WS7E: RDP-Client Protocol V 7.1 with RemoteFX or newer WS7E: Internet Explorer 8 WS7E: Acrobat Reader V 9.3 or newer WS7E: .NET Framework 2.0 or newer WS7E: Scout Agent for Windows® Embedded Standard 7 (optional) WS7E multimedia: Citrix® Receiver Enterprise V 3.3 or newer WS7E multimedia: VMware® View Client V 5.2.0-848202 or newer (including support for PCoIP) WS7E multimedia: RDP-Client Protocol V 7.1 with RemoteFX or newer WS7E multimedia: Internet Explorer 9 WS7E multimedia: Acrobat Reader X or newer WS7E multimedia: .NET Framework 4.0 or newer WS7E multimedia: Scout Agent for Windows® Embedded Standard 7 WS7E multimedia: WEDM Microsoft Windows Embedded Device Manager
Manageability	Scout Enterprise
VPN (Windows)	VPN through CUZ available

Mainboard	
Mainboard type	D3003-A
Formfactor	miniITX
Processor	AMD G-Series G-T44R (1.2 GHz, 512 KB)
Processor options	AMD G-Series G-T56N (2 Cores / 2 Threads, 1.65 GHz, 2 x 512 KB)
Chipset	AMD A55E Controller Hub
Processor quantity maximum	1
Memory slots	2 SO DIMM (DDR3, 1066 MHz)
Supported capacity RAM (max.)	4 GB
LAN	Built-in 10/100/1000 MBit/s
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio type	On board
Audio codec	Realtek ALC262
Audio features	AC'97 codec

Slots	
PCI-Express x1	1 x (155 mm /) low profile (optional)
PCI (32-bit / 33 MHz)	1 x (155 mm /) low profile (optional)

Interfaces	
Audio: line-in	1
Audio: line-out	1
Front audio: headphone	1
Front audio: line-in / microphone	1
USB 2.0 total	8
USB front	2
USB rear	4
USB internal	2
DisplayPort	1 DP
DVI	1 DVI-I (integrated VGA can be used with DVI-VGA adapter)
Serial (RS-232)	2 external
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Kensington Lock support	1

Graphics	
Graphics brand name	AMD Radeon™ HD 6320 (in combination with AMD G-Series G-T56N), AMD Radeon™ HD 6250 (in combination with AMD G-Series G-T44R)
Graphics color depth	32 bit colors
Shared video memory	up to 256 MB
TFT resolution (VGA)	up to 1920 x 1200 pixel
TFT resolution (DVI)	up to 1920 x 1200 pixel
TFT resolution (DisplayPort)	up to 2560 x 1600 pixel
Graphics features	DirectX 11 Shader Model 5 Open CL™ 1.1 (depending on CPU) OpenGL 4.1
Graphics notes	Graphics resolution depending on operating system and management solution.
Network	
Network	TCP/IP with DNS and DHCP Point-to-Point protocol Supported Citrix Load Balancing over ICA DHCP support for automatic firmware upgrades and unit configuration Multiple master browser support on ICA
Electrical values	
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	100 V - 240 V (AC Input)
Operating line frequency range	50 Hz - 60 Hz
Power consumption for standard configuration with Windows Embedded Standard	
Power consumption: Maximum (S0, running appl.)	24 W
Power consumption: Idle (S0, running OS, Idle mode)	9.7 W (typical configuration)
Power consumption: Minimum (ACPI status S5, soft off, WOL enabled)	0.58 W
Dimensions / Weight / Environmental	
Dimension with stand (W x D x H)	97 x 191 x 266 mm
Operating position	Vertical / horizontal
Weight	1,3 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35°C
Operating relative humidity	5 - 85 % (relative humidity)
Compliance	
Product	FUTRO S900
Model	TCS-D3003A
Germany	GS
Europe	CE certification according to EC Directive 2004/108/EEC CB
USA/Canada	CSA FCC Class B (depending on wireless configuration) CAN/CSA ICES-003 Class B
Global	ENERGY STAR® 5.0 RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) EPEAT® Silver (dedicated regions)
Japan	VCCI
India	WPC

Compliance	
Russia	GOST
Compliance notes	Energy Star compliance may vary depending on actual configuration
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates/default.aspx

Security	
Audit proof protection	Write protection for the Flash module
Access protection	Optional: Access protection via internal SmartCard reader

Warranty	
Standard Warranty	2 years (depending on country)
Service level	Bring-in Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty

Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

Recommended Accessories

Midspan Micro Semi PD-9501G		Midspan Micro Semi PD-9501G is a single port Power over Ethernet solution, specially designed to power IEEE 802.11n and other high power Ethernet end Terminals with 60W. It is fully backward compatible and easy to implement in your existing Ethernet infrastructure.	Order Code: S26361-F1744-L10
Midspan Micro Semi PD-9512G		Midspan Micro Semi PD-9512G is a Power over Ethernet solution with 12 ports, -72W per port, specially designed to power network devices like cameras, access control systems, Thin Clients and other Ethernet end terminals. It is fully backward compatible and supports IPv4 and IPv6.	Order Code: S26361-F1744-L20
Longshine Switch		The 16-Port 10/100/1000 Mbps Gigabit Longshine switch provides you a real Gigabit connection. Users are able to transfer large files with high bandwidth requirements faster while administrators experience a real efficiency improvement. The fanless Longshine switch is energy efficient, easy to install and fully compliant with all kinds of network protocols.	Order Code: S26391-F6055-L416
Mounting Kit Solution FUTRO S		The Fujitsu Mounting Kit Solution for FUTRO S gives you two options for mounting your thin client behind a display and hiding the system cables out of the way. The solid metal mounting bracket lets you mount directly to a VESA compatible display or via the included subadapter plate with Velcro™ strap for non-VESA displays.	Order Code: S26361-F2601-L530
Display B19-6 LED		The B19-6 LED offers best ergonomics and usability for intensive office use with a 4-in-1 stand.	Order Code: S26361-K1374-V140

Display B23T-6 LED	The B23T-6 LED offers best ergonomics and usability for intensive office use with a 4-in-1 stand. High resolution for pin sharp pictures with modern applications	Order Code: S26361-K1388-V140
Display B24W-6 LED	The Fujitsu Display B24W-6 LED combines the best ergonomic and energy saving solutions for intensive office use. The flexible stand with height adjust assures an individual and healthy posture for long-time working sessions. With its impressive screen size it allows working on different documents in parallel or standard CAD applications.	Order Code: S26361-K1427-V140
Keyboard KB900	The KB900 is a very flat keyboard with extra low keys and spill-resistant protection. The elegant design and top-quality construction makes the KB900 the ideal input device for any PC or Notebook user. If you accidently spill some water or coffee onto the keyboard, this special construction helps the liquid to flow away.	S26381-K560-L4** (**: Country specific variation)
Wireless Keyboard Set LX900	The Wireless Keyboard LX900 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security.	S26381-K564-L4** (**: Country specific variation)

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu FUTRO S900, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu FUTRO S900, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/FUTRO

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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